

Le Mans, 19th november 2008

2011 Le Mans-24 Hours Regulations

► Engines

LM P1	Diesel	Diesel 3.7-litre 8 cylinders with twin turbos
520 bhp	Petrol	3-4 litre 8 cylinders normally aspirated
900 kgs		2-litre 6 cylinders single turbo
LM P2	Diesel	Series production 4-litre 8 cylinders (with original supercharging system)
420 bhp	Petrol	Series production 4-litre based on 2010 GT2
900 kgs		Strictly series production 4.5-litre (according to the results obtained in 2009)

► Hybrid systems

The ACO wants to give manufacturers the greatest possible freedom to develop and use such systems while taking certain measures to control them.

Energy recovery systems will be free, provided they respect the following rules:

- Recovery of energy from the brakes on the 4 wheels or from the heat of the exhaust.
- Only the rear wheels can be used to drive the vehicle.
- Electric systems are allowed only to recover energy from the brakes.
- Energy can only be stocked in the form of electricity.
- The car's minimum weight will be identical to that of the other LM P1s using conventional engine technology (petrol or diesel): 900 kgs.
- The internal combustion engine and the electric motor must be controlled by the driver using the accelerator pedal (push to pass buttons forbidden).
- The quantity of usable energy stocked on board the vehicle must not exceed 1 MJ.
- Installation of systems enabling the power to be controlled at the entry and exit of engines/generators and the energy dissipated on a lap of the circuit at the exit of the motor/generator.
- The ACO will impose its own safety regulations.

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The use of such a system must not be aimed at obtaining additional power but at reducing fuel consumption and CO2 emissions.

The ACO reserves itself the right to adjust the performance of any car using such a system, should it enable the vehicle to improve its lap times in a significant manner.

Competitors who wish to develop and use such a system must inform the ACO beforehand giving the club all relevant information as to how it works, its use, the performance expected, the safety systems installed etc.

The ACO must be kept informed throughout the development of the system and the car. The club reserves itself the right to demand additional information and carry out any checks it deems necessary.

► **Fuel tank capacity**

LM P1 and LM P2:

Petrol: 75 litres

Diesel: 68 litres

► **Wheel dimensions**

	LM P1	LM P2
Width (maximum)	16 inches	14 inches
Diameter (maximum)	28.5 inches	28 inches

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